BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 03 Package Y-03 of Yelahanka Zone

Name of Contractor or nature of Agency :-M/S. Narasimhaswami Electrical

Job Code No:-[illegible]

Ref no and Date of commencement of work:- [illegible] Date:01/04/2022

Agreement No & date:-

Measurement Book No: 2605/22-24 Page No: 260464 to 260465

Bill NO :- 12th RA Bill Bill Period : 01-11-2023 to 30-11-2023 (for 1 months)

Sl. No.		Unit	Period in months	Present Measurements		
				Qty	Tender Unit Rate	Cost
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36W/40 W fluorescent tube light street lighting systems	Each	1	28	57.12	1142.40
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.92	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	3607	84.95	306363.65
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street lighting Metal lighting systems	Each	1	0	93.12	0.00

5	Operation and Maintenance of LED Street lighting system including replacement of damaged/faulty/burnt out components like LED drivers MCPCB surge protective device switches, Wires, Holders, Sisters observing weather proofing (either reshaping to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ensure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	0	72.93	0.00
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/faulty/burnt out components like LED drivers MCPCB surge protective device switches, Wires, Holders, Sisters observing weather proofing (either reshaping to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ensure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems	Each	1	156	95.91	14959.72
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/faulty/burnt out components like LED drivers MCPCB surge protective device switches, Wires, Holders, Sisters observing weather proofing (either reshaping to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ensure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems	Each	1	328	134.80	32134.40
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/faulty/burnt out components like LED drivers MCPCB surge protective device switches, Wires, Holders, Sisters observing weather proofing (either reshaping to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ensure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	64	131.26	2088.64
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/faulty/burnt out components like LED drivers MCPCB surge protective device switches, Wires, Holders, Sisters observing weather proofing (either reshaping to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ensure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scraping the old paint and painted with suitable colour enamel/Silver paint including cleaning/painting of the pole type MS/ street light pole	Nos	-	0	563.00	0.00

Executive Engineer

11	Painting of existing street light pole after scrapping the old paint and applied anti rusting colour enamel Shri Gurunanak Jayanti/painting of the pole 9/0 one above street light pole	Nos	-	0	775.00	0.00
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing switchgear board using necessary screws, nuts, bolts necessary phase wise bunt, ferrule and wiring complete. Protection of Overload and Short circuit with thermo Magnetic/Microprocessor release and Earth Fault as per IS-13947 / Ics = (at) 100Amps 2 pole A	Each	-	2	4530.00	0.20
13	Supply and installation / Fixing / Erection of Pole box with HRC Fuse - MCB (Double) and suitable connector / terminal for 3 Ph : 5 Ph connections with Looped & Loop-Out terminals for 10 Sqmm , 35 Sqmm 3.5 C Alnar / Cu/ Al Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic Polystyrene enclosure, which should be shock proof, upto IP65(Weather Proof, dust proof, rust proof, water proof having integrally Embedded Gasket with provision for cable entry through IP65 Thermoplastic polyamide glands and/or grommets 250mmx210mmx110mm	Each	-	0	2054.00	0.00
14	Supplying of 1.1 KV 3.7 UG cable XLPE or Heat resistant PVC insulated, PVC extruded inner sheath armoured UG LT cable as per IS-1554 (Part-I) or IS-7098 Part-1, Aluminium wire conductors in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr	-	0	150.00	0.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / Stoneware pipe / on wall / on pole as required On wall /Structure if agreed to 1% approx	Mtr	-	0	30.00	0.00
16	Supply and fixing of 4pole power contactor with NC/NO auxiliary on existing switchgear board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	-	0	7205.00	0.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	-	0	4230.00	0.00
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy crossed with Short circuit breaking capacity of 10K and connecting wiring as required conforming to IEC 60898, 60-63 amps SP	Each	-	0	773.00	0.00
	TOTAL Rs					403870.23
	Add GST 12 % on item no 10 to 17			12%	52040.4	324522.60
	TOTAL Rs			18%	68762.4	400321.27
	Fine imposed for 7 day delay of block supply for the period dt 01.11.2023 to 07.11.2023					4580.00
	As per street light agreement clause 2% will be deducted as monthly maintenance bill against the received spare materials					9006.47
	GRAND TOTAL					456819.61

CERTIFICATE

1. This is to certify that the work done is satisfactory
2. This is to certify that the 09 amount claimed in the bill does not exceed the [illegible]

Asst. Engineer (Elec)
Vidyanagar Division

Asst. Executive Engineer (Elec)
Vidyanagar Division

[illegible]
[illegible]